

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled STEP WAVE POWER CONVERTER, the specification of which:

☐ is attached hereto.

☒ was filed on December 21, 1999 as Application Serial No. 09/468,610

☐ and was amended on _____ (if applicable)

☐ with amendments through _____ (if applicable)

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I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) | | | Priority Claimed | |
|------------------------------|-----------|------------------------|------------------------------|-----------------------------|
| (Number) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| | | | | |

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application listed below:

Provisional Application No.

Filing Date

60/113,424

December 22, 1998

I hereby claim the benefit under Title 35, United States Code, Sec. 120 of any United States application(s), or Sec. 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(App. Serial No.)

(Filing Date)

(Status -patented, pending, etc.)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: **Lawrence A. Schienbein**

Inventor's signature:

L. Schienbein

February 17, 2000
(Date)

Residence:

Kennewick, Washington

Citizenship:

United States

Post Office address:

4006 S. Morain Loop
Kennewick, Washington 99337

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Full name of second co-inventor: **Gerald W. Droppo**

Inventor's signature:

Gerald W. Droppo

2/17/00
(Date)

Residence:

Richland, Washington

Citizenship:

United States

Post Office address:

2408 Lariat Lane
Richland, Washington 99352

Full name of third co-inventor: **Matthew K. Donnelly**

Inventor's signature:

Matthew K. Donnelly

2/18/00
(Date)

Residence:

Kennewick, Washington

Citizenship:

United States

Post Office address:

33003 Toro Road
Kennewick, Washington 99338

Full name of fourth co-inventor:

Brent Earle Harris

Inventor's signature:



March 13, 2000
(Date)

Residence:

Calgary, Alberta, Canada

Citizenship:

Canadian

Post Office address:

#504 823 Royal Avenue SW
Calgary, Alberta
Canada T2T 0L4

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PATENT APPLICATION
Attorney's Do. No. 2443-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lawrence A. Schienbein, Gerald W. Droppo, Matthew K. Donnelly
and Brent Earle Harris

Serial No.: 09/468,610

Group Art Unit: 2838

Filed: December 21, 1999

Examiner: unknown

For: STEP WAVE POWER CONVERTER

Assistant Commissioner for Patents
Washington, DC 20231

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
AND REVOCATION OF PRIOR POWERS**

I, Michael Carten, Chief Executive Officer of International Power Systems, Inc.,
having a place of business at 444 – 5th Avenue, SW, #1100, Calgary, Alberta, Canada T2P
2T8, assignee of the entire right, title and interest of the above-described U.S. patent
application, by the assignment submitted under separate cover for recordal, represent that I
am empowered to sign on behalf of assignee.

As assignee of the entire interest of the above identified application, all powers of
attorney previously given are hereby revoked and the following attorneys and/or patent
agents are hereby appointed to prosecute and transact all business in the Patent and
Trademark Office connected therewith:

Customer No. 20575

| <u>Attorney Name</u> | <u>Registration No.</u> |
|---------------------------|-------------------------|
| Jerome S. Marger | 26,480 |
| Alexander C. Johnson, Jr. | 29,396 |
| Alan T. McCollom | 28,881 |
| James G. Stewart | 32,496 |
| Glenn C. Brown | 34,555 |
| Stephen S. Ford | 35,139 |
| Gregory T. Kavounas | 37,862 |
| Scott A. Schaffer | 38,610 |
| Joseph S. Makuch | 39,286 |
| James E. Harris | 40,013 |
| Graciela G. Cowger | 42,444 |
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| Craig R. Rogers | 43,888 |

Direct all telephone calls to Stephen S. Ford at (503) 222-3613 and send all
correspondence to:

Stephen S. Ford
Marger Johnson, & McCollom, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205

International Power Systems, Inc.

Date: March 20, 2000


Michael Carten
Chief Executive Officer

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 19, 2000

PTAS

MARGER JOHNSON & MCCOLLOM, P.C.
STEPHEN S. FORD
1030 S.W. MORRISON
PORTLAND, OREGON 97205



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/27/2000

REEL/FRAME: 010641/0444
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SCHIENBEIN, LAWRENCE A.

DOC DATE: 03/06/2000

ASSIGNOR:
DROPPA, GERALD W.

DOC DATE: 02/24/2000

ASSIGNOR:
DONNELLY, MATTHEW K.

DOC DATE: 03/02/2000

ASSIGNOR:
HARRIS, BRENT EARLE

DOC DATE: 03/13/2000

ASSIGNEE:
INTERNATIONAL POWER SYSTEMS, INC.
444 - 5TH AVENUE, S.W., #1100
CALGARY, ALBERTA T2P 2T8, CANADA

SERIAL NUMBER: 09468610
PATENT NUMBER:

FILING DATE: 12/21/1999
ISSUE DATE:

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010641/0444 PAGE 2

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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03/27/00



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NTS ONLY
Attorney's Do. No. 2443-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Lawrence A. Schienbein, Gerald W. Droppo, Matthew K. Donnelly and Brent Earle Harris

Serial No. 09/468,610
Filed: December 21, 1999
For: STEP WAVE POWER CONVERTER

Box Assignments
Commissioner of Patents
and Trademarks
Washington, DC 20231

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Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

1. Name of parties conveying an interest:
 - 1) Lawrence A. Schienbein
 - 2) Gerald W. Droppo
 - 3) Matthew K. Donnelly
 - 4) Brent Earle Harris
2. Name and address of party receiving an interest: International Power Systems, Inc.
444 - 5th Avenue, S.W., #1100
Calgary, Alberta T2P 2T8
Canada

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger

Other:

- Date of execution of attached document:
- 1) March 6, 2000
 - 2) February 24, 2000
 - 3) March 2, 2000
 - 4) March 13, 2000

4. Application number(s) or patent number(s). Additional sheet attached? Yes ☐ No ☐

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.

B. Patent No.

5. Name and address of party to whom correspondence concerning document should be mailed:

Stephen S. Ford
Marger Johnson & McCollom, P.C.
1030 S.W. Morrison
Portland, Oregon 97205

6. Number of applications and patents involved: 1
7. Enclosed is our check for \$40.00
8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.
9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: March 23, 2000

Respectfully submitted,


Stephen S. Ford

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Total number of pages comprising
cover sheet and attached assignment: 5

I hereby certify that this correspondence is being
deposited with the United States Postal Service
addressed to: Box Assignments, Assistant
Commissioner for Patents, Washington D.C.
20231 on March 21, 2000.

Signature


Laura Sabo

ASSIGNMENT

Assignor: Lawrence A. Schienbein
Address: 4006 South Morain Loop
Kennewick, Washington 99337

Assignor: Gerald W. Droppo
Address: 2408 Lariat Lane
Richland, Washington 99352

Assignor: Matthew K. Donnelly
Address: 33003 Toro Road
Kennewick, Washington 99338

Assignor: Brent Earle Harris
Address: #504 823 Royal Avenue SW
Calgary, Alberta
Canada T2T 0L4

Assignee: INTERNATIONAL POWER SYSTEMS, INC.
Address: 444 - 5th Avenue, S.W., #1100
Calgary, Alberta T2P 2T8
Canada

Title of Invention: STEP WAVE POWER CONVERTER

U.S. Patent Application:

Application Serial No.: 09/468,610
Filing Date: December 21, 1999

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its

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successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Richland, Washington, this 6 day of March, 2000.

L. Schien
Lawrence A. Schienbein, Assignor

STATE OF WASHINGTON)

) ss.

County of Benton)

COPY

Before me this 6 day of March, 2000, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Mary E. Zilar
Notary Public for Washington
My commission expires: 11-29-03
MARY E. ZILAR

[SEAL]

Executed at Richland, Washington, this 24th day of February, 2000.

Gerald W. Droppo
Gerald W. Droppo, Assignor

STATE OF WASHINGTON)

) ss.

County of Benton)

Before me this 24 day of February, 2000, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Mary E. Zilar
Notary Public for Washington
My commission expires: 11-29-03

[SEAL]

MARY E. ZILAR

Executed at Richland, Washington, this 2nd day of March, 2000.

Matthew K. Donnelly

Matthew K. Donnelly, Assignor

STATE OF WASHINGTON)

County of Benton)

) ss.

Before me this 2nd day of March, 2000, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Mary E. Zeller

Notary Public for Washington

My commission expires: 11-29-03

[SEAL]

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Executed at Calgary, Alberta, Canada, this 13th day of March, 2000.

Brent Earle Harris

Brent Earle Harris, Assignor

COUNTRY OF CANADA)

Province of Alberta)

) ss.

Before me this 13 day of March, 2000, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.